

#6  
JwbRAW SEQUENCE LISTING  
PATENT APPLICATION US/08/676,125DATE: 05/05/97  
TIME: 15:24:16

INPUT SET: S17426.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

ENTERED

## SEQUENCE LISTING

## (1) General Information:

(i) APPLICANT: MARKLAND, William  
LADNER, Robert Charles(ii) TITLE OF INVENTION: KALLIKREIN-INHIBITING "KUNITZ DOMAIN"  
PROTEINS AND ANALOGUES THEREOF

(iii) NUMBER OF SEQUENCES: 69

## (iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Browdy and Neimark  
(B) STREET: 419 Seventh Street N.W., Ste. 300  
(C) CITY: Washington  
(D) STATE: D.C.  
(E) COUNTRY: United States of America  
(F) ZIP: 20004

## (v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

## (vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: US  
(B) FILING DATE:  
(C) CLASSIFICATION:

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: PCT/US95/00299  
(B) FILING DATE: 11-JAN-1995

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/179,964  
(B) FILING DATE: 11-JAN-1994

## (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US 08/208,264  
(B) FILING DATE: 10-MAR-1994

## (viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: COOPER, Iver P.  
(B) REGISTRATION NUMBER: 28,005

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/676,125DATE: 05/05/97  
TIME: 15:24:18

INPUT SET: S17426.raw

47 (C) REFERENCE/DOCKET NUMBER: MARKLAND=1B  
48  
49 (ix) TELECOMMUNICATION INFORMATION:  
50 (A) TELEPHONE: (202) 628-5197  
51 (B) TELEFAX: (202) 737-3528  
52  
53  
54 (2) INFORMATION FOR SEQ ID NO:1:  
55  
56 (i) SEQUENCE CHARACTERISTICS:  
57 (A) LENGTH:8 amino acids  
58 (B) TYPE: amino acid  
59 (C) STRANDEDNESS: single  
60 (D) TOPOLOGY: linear  
61  
62 (ii) MOLECULE TYPE: protein  
63  
64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
65  
66 Ile Val Gly Gly Thr Asn Ser Ser  
67 1 5  
68  
69 (2) INFORMATION FOR SEQ ID NO:2:  
70  
71 (i) SEQUENCE CHARACTERISTICS:  
72 (A) LENGTH:58 amino acids  
73 (B) TYPE: amino acid  
74 (C) STRANDEDNESS: single  
75 (D) TOPOLOGY: linear  
76  
77 (ii) MOLECULE TYPE: protein  
78  
79 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
80  
81 Arg Pro Asp Phe Cys Leu Glu Pro Pro Tyr Thr Gly Pro Cys Lys Ala  
82 1 5 10 15  
83  
84 Arg Ile Ile Arg Tyr Phe Tyr Asn Ala Lys Ala Gly Leu Cys Gln Thr  
85 20 25 30  
86  
87 Phe Val Tyr Gly Gly Cys Arg Ala Lys Arg Asn Asn Phe Lys Ser Ala  
88 35 40 45  
89  
90 Glu Asp Cys Met Arg Thr Cys Gly Gly Ala  
91 50 55  
92  
93 (2) INFORMATION FOR SEQ ID NO:3:  
94  
95 (i) SEQUENCE CHARACTERISTICS:  
96 (A) LENGTH:58 amino acids  
97 (B) TYPE: amino acid  
98 (C) STRANDEDNESS: single  
99 (D) TOPOLOGY: linear

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/676,125DATE: 05/05/97  
TIME: 15:24:21

INPUT SET: S17426.raw

100  
101 (ii) MOLECULE TYPE: protein  
102  
103 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
104  
105 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala  
106 1 5 10 15  
107  
108 Ile Met Lys Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu  
109 20 25 30  
110  
111 Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu  
112 35 40 45  
113  
114 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp  
115 50 55  
116  
117 (2) INFORMATION FOR SEQ ID NO:4:  
118 (i) SEQUENCE CHARACTERISTICS:  
119 (A) LENGTH:58 amino acids  
120 (B) TYPE: amino acid  
121 (C) STRANDEDNESS: single  
122 (D) TOPOLOGY: linear  
123  
124 (ii) MOLECULE TYPE: protein  
125  
126  
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
128  
129 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala  
130 1 5 10 15  
131  
132 Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu  
133 20 25 30  
134  
135 Phe Ser Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu  
136 35 40 45  
137  
138 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp  
139 50 55  
140  
141 (2) INFORMATION FOR SEQ ID NO:5:  
142 (i) SEQUENCE CHARACTERISTICS:  
143 (A) LENGTH:58 amino acids  
144 (B) TYPE: amino acid  
145 (C) STRANDEDNESS: single  
146 (D) TOPOLOGY: linear  
147  
148 (ii) MOLECULE TYPE: protein  
149  
150  
151 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
152

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/676,125

DATE: 05/05/97  
TIME: 15:24:23

INPUT SET: S17426.raw

```

153 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
154   1               5               10               15
155
156 Ser Leu Pro Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
157           20               25               30
158
159 Phe Ile Tyr Gly Gly Cys Glu Gly Asn Gln Asn Arg Phe Glu Ser Leu
160           35               40               45
161
162 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
163   50               55
164

```

(2) INFORMATION FOR SEQ ID NO:6:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 58 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

```

177 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly Pro Cys Lys Ala
178   1               5               10               15
179
180 Asn His Leu Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
181           20               25               30
182
183 Phe Ser Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu
184           35               40               45
185
186 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp
187   50               55
188

```

(2) INFORMATION FOR SEQ ID NO:7:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 58 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

```

200 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala
201   1               5               10               15
202
203 Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu
204           20               25               30
205

```

# RAW SEQUENCE LISTING PATENT APPLICATION US/08/676,125

DATE: 05/05/97  
TIME: 15:24:25

INPUT SET: S17426.raw

206 Phe Thr Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu  
207 35 40 45

208  
209 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp  
210 50 55

211  
212 (2) INFORMATION FOR SEQ ID NO:8:

213 (i) SEQUENCE CHARACTERISTICS:

214 (A) LENGTH:58 amino acids

215 (B) TYPE: amino acid

216 (C) STRANDEDNESS: single

217 (D) TOPOLOGY: linear

218

219 (ii) MOLECULE TYPE: protein

220

221

222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

223

224 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala  
225 1 5 10 15

226

227 Asn His Gln Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Gln  
228 20 25 30

229

230 Phe Thr Tyr Gly Gly Cys Ala Gly Asn Gln Asn Arg Phe Glu Ser Leu  
231 35 40 45

232

233 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp

234 50 55

235

236 (2) INFORMATION FOR SEQ ID NO:9:

237 (i) SEQUENCE CHARACTERISTICS:

238 (A) LENGTH:58 amino acids

239 (B) TYPE: amino acid

240 (C) STRANDEDNESS: single

241 (D) TOPOLOGY: linear

242

243 (ii) MOLECULE TYPE: protein

244

245

246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

247

248 Met His Ser Phe Cys Ala Phe Lys Ala Asp Asp Gly His Cys Lys Ala  
249 1 5 10 15

250

251 Ser Leu Pro Arg Phe Phe Phe Asn Ile Phe Thr Arg Gln Cys Glu Glu  
252 20 25 30

253

254

255 Phe Ile Tyr Gly Gly Cys Gly Gly Asn Gln Asn Arg Phe Glu Ser Leu  
256 35 40 45

257

258 Glu Glu Cys Lys Lys Met Cys Thr Arg Asp

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/676,125**

DATE: 05/05/97  
TIME: 15:24:34

*INPUT SET: S17426.raw*

| Line | Error                           | Original Text              |
|------|---------------------------------|----------------------------|
| 28   | Wrong application Serial Number | (A) APPLICATION NUMBER: US |